

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/052713 A1

(51) International Patent Classification⁷: **G05D 23/24,**
G06F 1/20

(21) International Application Number:
PCT/EP2004/051849

(22) International Filing Date: 19 August 2004 (19.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0327453.7 26 November 2003 (26.11.2003) GB

(71) Applicant (for all designated States except US): **MOTOROLA INC** [US/US]; 1303 E.Algonquin Road, Schaumburg, Illinois 60196 (US).

(71) Applicant (for BW only): **MOTOROLA LIMITED** [GB/GB]; Jays Close, Viabes Industrial Estate, Basingstoke Hampshire RG22 4PD (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MEYUCHAS, Yitzhak** [IL/IL]; Motorola Israel Limited, 3 Kremenetsky

Street, 67899 Tel Aviv (IL). **BARMOAV, Felix** [IL/IL]; Motorola Israel Limited, 3 Kremenetsky Street, 67899 Tel Aviv (IL). **MOSERI, Yaakov** [IL/IL]; Motorola Israel Limited, 3 Kremenetsky Street, 67899 Tel Aviv (IL). **SCHNEIDER, Yossef** [IL/IL]; Motorola Israel Limited, 3 Kremenetsky Street, 67899 Tel Aviv (IL).

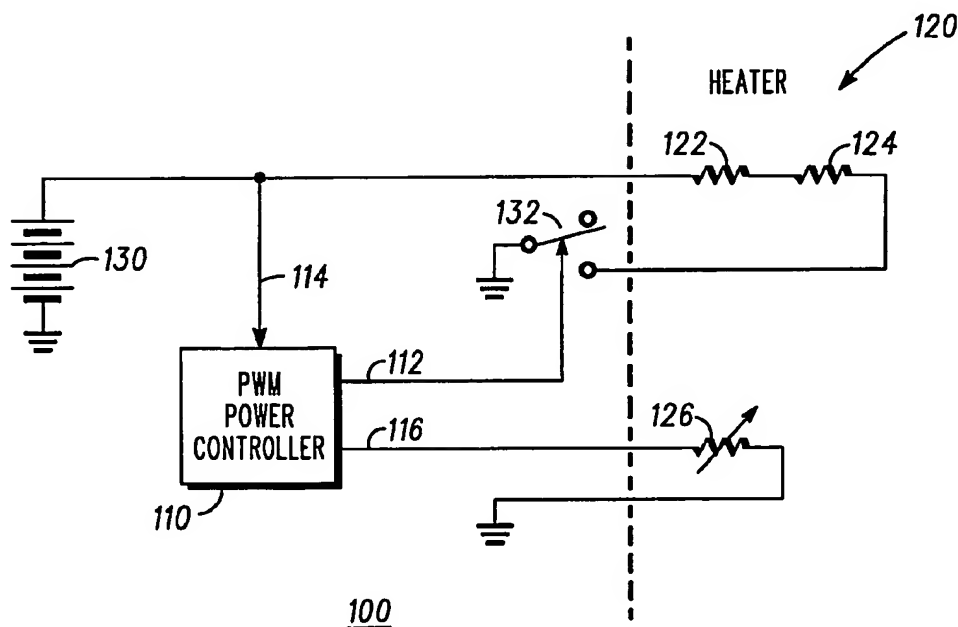
(74) Agent: **MCCORMACK,, Derek J.**; Motorola European Intellectual Property Operations, Midpoint, Alencon Link, Basingstoke Hampshire RG21 7PL (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: APPARATUS AND METHOD OF COMPUTER COMPONENT HEATING



(57) Abstract: The present invention provides a computer component heater operably coupled to a pulse width modulation (PWM) power controller, said power controller operable to automatically vary a duty cycle in relation to the voltage of the power source supplying the heater.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.